

## ABSTRACT

There is provided an azeotropic mixture consisting substantially of 1, 1, 1, 3, 3-pentafluoropropane and hydrogen fluoride. Further, there is provided a

5 process of separating/purifying R-245fa and/or HF from a mixture comprising R-245fa and HF wherein the mixture comprising 1, 1, 1, 3, 3-pentafluoropropane and hydrogen fluoride is subjected to a distillation step so that a distillate is obtained which comprises the azeotropic mixture consisting substantially of 1, 1, 1, 3, 3-pentafluoropropane and hydrogen fluoride, and a bottom product is

10 obtained which comprises separated/purified 1, 1, 1, 3, 3-pentafluoropropane or hydrogen fluoride.